

CLASSIFIED MESSAGE

ORIG :
UNIT :
EXT :
DATE : 7 JANUARY 1970

S E C R E T

ROUTING

1	4
2	5
3	6

TO : SEE BELOW

FROM :

CONF :

INFO :

1970 JAN 8 16 56Z

DEFERRED	X	PRIORITY	INITIALS
ROUTINE		OPERATIONAL IMMEDIATE	INITIALS

JWC

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OUT 69100

TO

INFO

CITE

SAC OFFUTT AFB OMAHA, NEBR
100 SRW OL 19 MCCOY AFB FLA
DIA WASH DC
CIA WASH DC
15TH AF MARCH AFB RIVERSIDE, CALIF
HQ USAF WASH DC
100 SRW DAVIS MONTHAN AFB ARIZ
12 SAD DAVIS MONTHAN AFB ARIZ
544 ARTW OFFUTT AFB OMAHA, NEBR
NAVRECONTECHSUPCEN, SUITLAND MD
WRAMA/WRNWA WARNER ROBBINS AFB, GA

SECRET

SAC FOR DIRI, DOSR, DISD, DM4C, DPLC; 100 SRW DAVIS MONTHAN AFB FOR
DO, DCOI, DCM, AEMS; 12 SAD FOR MD; DIA FOR DIAXX-1; HQ USAF FOR
AFIGOS, AFXOTR; 15TH AF FOR DI, DO, DM4C.

COORDINATING OFFICERS

S E C R E T

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE

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ROUTING			
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P R O C E D U R E	DEFERRED	PRIORITY	INITIALS
	ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

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TO

INFO

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SUBJECT: EVALUATION OF OLD HEAD MISSION G-111

1. IMAGE QUALITY: THE OVERALL IMAGE QUALITY OF THIS MISSION RANGES FROM POOR TO FAIR. THE DEGRADING FACTORS ARE VEHICLE VIBRATIONS AND A V/H FAILURE (SEE PARA 3C) WHICH RESULTED IN THE LACK OF SHARP EDGE DEFINITION AND CAUSED SMEARED IMAGERY IN THE FLIGHT DIRECTION. THE INTERPRETATION SUITABILITY RANGES FROM POOR TO GOOD. CLOUD COVER AFFECTS APPROXIMATELY 20 PERCENT OF THE ENTIRE MISSION.

2. MISSION DATA:

- A. G-111, 4 JANUARY 1970
- B. I-2, 8011
- C. A/C NO: 339
- D. STEREO
- E. T/O: 1210Z, C/ON: 1432Z
- F. 3404, W-23A
- G. MX-819-1, NRTSC
- H. AVG GAMMA: 1.57

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AUTHENTICATING OFFICER

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S E C R E T

TO :
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	ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

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I. SLIT WIDTH - 0.080

3. A. EXPOSURE: ADEQUATE FOR INTERPRETATION, ALTHOUGH
SLIGHTLY UNDEREXPOSED IN THE BEGINNING OF THE MISSION.

B. DENSITY AND CONTRAST: GENERALLY MEDIUM.

C. IMAGED DEGRADATIONS: A MAJOR PORTION OF THE MISSION
MATERIAL DISPLAYS SMEARED IMAGERY IN THE FLIGHT DIRECTION
DUE TO IMPROPER FMC WHICH RESULTED FROM AN ERRONEOUS V/H
SIGNAL. THE V/H SIGNAL FLUCTUATED FROM 8.5 MRADS (NORMAL)
TO 15 PLUS MRADS FOR THE FWD LOOKING FRAMES AND FROM 8.5
MRADS TO 11.5 MRADS FOR THE AFT LOOKING FRAMES. A V-SHAPED
FOG PATTERN, A FISHHOOK-SHAPED FOG PATTERN, AND A BAND OF FOG
FROM THE SLIT ARE PRESENT ON THE MISSION MATERIAL. THESE LIGHT
LEAK INDUCED PATTERNS ARE DESCRIBED IN THE EVALUATION OF G-107
(NPIC 7580). SEVERAL MINUS DENSITY LINES, PARALLEL TO THE MAJOR
AXIS, ARE PRESENT THROUGHOUT THE MISSION. HEAVY FOG PATTERNS
ARE PRESENT ON FRAMES 462, 1092, 1130, 1146, AND 1422. THESE
APPEAR TO BE SLIT IMAGES AND ARE LOCATED 23 INCHES FROM THE SUPPLY

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	ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

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END OF THE FORMAT. THE ABOVE MENTIONED FOG PATTERNS ARE SEVERE ENOUGH TO DEGRADE THE ASSOCIATED TERRAIN IMAGERY SO THAT A SIGNIFICANT DEGRADATION TO INTERPRETABILITY IS NOTED.

D. PHYSICAL DEGRADATIONS: FINE EMULSION SCRATCHES ARE NOTED THROUGHOUT THE MATERIAL. TWO HEAT SPLICES AND ONE ULTRA-SONIC SPLICE ARE PRESENT ON THIS MISSION.

E. DATA RECORDING EQUIPMENT: ALL RECORDING EQUIPMENT FUNCTIONED PROPERLY THROUGHOUT THE MISSION.

F. OTHER: THE V/H FAILURE ALSO CAUSED AN INCREASE IN OVERLAP FROM 10 PERCENT TO APPROXIMATELY 25 PERCENT. THE LAST TITLED FRAME IS 1425. THE LAST COUNTER NUMBER IS 1430. THIS PLUS 5 BIAS WAS HELD THROUGHOUT THE MISSION.

4. POSITIVES: THE PRINTING AND PROCESSING ARE GOOD.

END OF MESSAGE

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